

CLAIMS

1. A method for the isolation of expressed sequence tags in different development phases of plants which comprises the following steps:
  - 5 (a) germination of the seeds in a suitable medium in the presence of 5-azaCytidine in quantities ranging from 0.1 mM to 2 mM;
  - (b) extraction of the nucleic acids from the shoots grown as specified in step (a);
  - 10 (c) synthesis of the cDNA library starting from the nucleic acids extracted in step (b);
  - (d) sequencing and sequence analysis of the clones of the library.
2. The method according to claim 1, wherein the quantity  
15 of azaCytidine in step (a) ranges from 0.3 mM to 0.5 mM.
3. The method according to claim 1, wherein in step (a) the germination is carried out at a temperature ranging from 20 to 30°C.
- 20 4. The method according to claim 3, wherein the temperature ranges from 22 to 26°C.
5. A kit for the synthesis of cDNA libraries of plants comprising the necessary components and instructions for the embodiment of the method defined in claim 1.